Claims

1. An image display device being characterized in that the image display device includes an image display panel, a first wiring printed circuit board which is arranged close to the image display panel, and a second wiring printed circuit board which is arranged between the image display panel and the first wiring printed circuit board in a striding manner,

the second wiring printed circuit board includes wiring for allowing inputting of signals thereto from the first wiring printed circuit board side and outputting of signals therefrom to the image display panel side, and

the first wiring printed circuit board includes a portion which has a width smaller than a width of the first wiring printed circuit board at a side thereof opposite to the image display panel.

2. An image display device being characterized in that the image display device includes an image display panel, a first wiring printed circuit board which is arranged close to the image display panel, and a second wiring printed circuit board which is arranged between the image display panel and the first wiring printed circuit board in a striding manner,

the second wiring printed circuit board includes wiring for allowing inputting of signals thereto from the first wiring printed circuit board side and outputting of signals therefrom to the image display panel side, and

the first wiring printed circuit board includes a notched portion at a side thereof opposite to the image display panel.

3. An image display device being characterized in that the image display device includes an image display panel, a first wiring printed circuit board which is arranged close to the image display panel, and a second wiring printed circuit board which is arranged between the image display panel and the first wiring printed circuit board in a striding manner,

the second wiring printed circuit board includes a wiring layer for allowing inputting of signals thereto from the first wiring printed circuit board side and outputting of signals therefrom to the image display panel side, and

the first wiring printed circuit board includes a plurality of notched portions which are extended from one side to another side at a side thereof opposite to the image display panel.

4. An image display device being characterized in that the image display device includes an image display panel, a first wiring printed circuit board which is arranged close to the image display panel, and a second wiring printed circuit board which is arranged between the image display panel and the first wiring printed circuit board in a striding manner,

the second wiring printed circuit board includes wiring for allowing inputting of signals thereto from the first wiring printed circuit board side and outputting of signals therefrom to the image display panel side, and

the first wiring printed circuit board includes a recessed portion at a side thereof opposite to the image display panel.

5. An image display device according to claim 1, wherein a semiconductor device which is connected to the wiring is mounted on the second wiring printed circuit board.

6. An image display device according to claim 2, wherein the notched portion is formed in a region defined between the first wiring printed circuit board and the second wiring printed circuit board.

7. An image display device according to claim 4, wherein the recessed portion is formed in a region defined between the first wiring printed circuit board and the second wiring printed circuit board.

8. An image display device according to claim 1, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof, and

the second wiring printed circuit board constitutes a scanning signal driving circuit which supplies the scanning signals to the gate signal lines.

9. An image display device according to claim 1, wherein

the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof, and

the second wiring printed circuit board constitutes a video signal driving circuit which supplies the video signals to the drain signal lines.

10. An image display device according to claim 1, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof,

the second wiring printed circuit board includes a printed circuit board which constitutes a scanning signal driving circuit for supplying the scanning signals to the gate signal lines and a printed circuit board which constitutes a video signal driving circuit for supplying video signals to the drain signal lines, and

the first wiring printed circuit board which is connected to the scanning signal driving circuit and the first wiring printed circuit board which is connected to the video signal driving circuit are formed as separate printed circuit boards independent from each other.

11. An image display device according to claim 2, wherein the notched portion is formed in at least either one of the first wiring printed circuit board which is connected to the second wiring printed circuit board constituting the scanning signal driving circuit and the first wiring printed circuit board which is connected to the second wiring printed circuit board constituting the video signal driving circuit.

12. An image display device according to claim 4, wherein the recessed portion is formed in at least either one of the first wiring printed circuit board which is connected to the second wiring printed circuit board constituting the scanning signal driving circuit and the first wiring printed circuit board which is connected to the second wiring printed circuit board constituting the video signal driving circuit.

13. An image display device according to claim 1, wherein a dummy printed circuit board which connects the first wiring printed circuit board and the image display panel is provided to an end portion of the first wiring printed circuit board.

14. An image display device according to claim 2, wherein the image display device includes a frame which is arranged such that the frame surrounds the image display panel, the first wiring printed circuit board and the second wiring printed circuit board, and a projection with which the notched portion is engaged is formed on the frame.

15. An image display device according to claim 4, wherein the image display device includes a frame which is arranged such that the frame surrounds the image display panel, the first wiring printed circuit board and the second wiring printed circuit board, and a projection with which the recessed portion is engaged is formed on the frame.

16. An image display device according to claim 2, wherein a connector or a flat cable which connects the first wiring printed circuit board and another printed circuit board is arranged in the notched portion.

17. An image display device according to claim 4, wherein a connector or a flat cable which connects the first wiring printed circuit board and another printed circuit board is arranged in the recessed portion.

18. An image display device according to claim 2, wherein a connector or a flat cable which connects the first wiring printed circuit board which supplies scanning signals and the first wiring printed circuit board which supplies the video signals is arranged in the notched portion.

19. An image display device according to claim 4, wherein a connector or a flat cable which connects the first wiring printed circuit board which supplies scanning signals and the first wiring printed circuit board which supplies the video signals is arranged in the recessed portion.

20. An image display device according to claim 2, wherein

a semiconductor device which is connected to the wiring is mounted on the second wiring printed circuit board.

21. An image display device according to claim 2, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof, and

the second wiring printed circuit board constitutes a scanning signal driving circuit which supplies the scanning signals to the gate signal lines.

22. An image display device according to claim 2, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof, and

the second wiring printed circuit board constitutes a video signal driving circuit which supplies the video signals to the drain signal lines.

23. An image display device according to claim 2, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of

respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof,

the second wiring printed circuit board includes a printed circuit board which constitutes a scanning signal driving circuit for supplying the scanning signals to the gate signal lines and a printed circuit board which constitutes a video signal driving circuit for supplying video signals to the drain signal lines, and

the first wiring printed circuit board which is connected to the scanning signal driving circuit and the first wiring printed circuit board which is connected to the video signal driving circuit are formed as separate printed circuit boards independent from each other.

24. An image display device according to claim 2, wherein a dummy printed circuit board which connects the first wiring printed circuit board and the image display panel is provided to an end portion of the first wiring printed circuit board.

25. An image display device according to claim 4, wherein a semiconductor device which is connected to the wiring is mounted on the second wiring printed circuit board.

26. An image display device according to claim 4, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain

signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof, and

the second wiring printed circuit board constitutes a scanning signal driving circuit which supplies the scanning signals to the gate signal lines.

27. An image display device according to claim 4, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof, and

the second wiring printed circuit board constitutes a video signal driving circuit which supplies the video signals to the drain signal lines.

28. An image display device according to claim 4, wherein the image display panel includes gate signal lines which supply scanning signals to groups of pixels each consisting of respective pixels arranged in parallel in one direction and drain signal lines which supply video signals to respective pixels to which the scanning signals are supplied on a surface thereof,

the second wiring printed circuit board includes a printed circuit board which constitutes a scanning signal driving circuit for supplying the scanning signals to the gate signal lines and a printed circuit board which constitutes a video signal driving circuit for supplying video signals to the drain signal lines, and

the first wiring printed circuit board which is connected to the scanning signal driving circuit and the first wiring printed circuit board which is connected to the video signal driving circuit are formed as separate printed circuit boards independent from each other.

29. An image display device according to claim 4, wherein a dummy printed circuit board which connects the first wiring printed circuit board and the image display panel is provided to an end portion of the first wiring printed circuit board.